IN THE CLAIMS

Claims 1-11 have been cancelled without prejudice as being drawn to a non-elected invention.

Claims 14-16 have also been cancelled without prejudice as being drawn to another non-elected invention.

Please cancel claims 12, 13, 17, 18, and 21 without prejudice.

Please amend claims 19, 20, 22-25, and 27.

Please enter the pending claims as follows:

1. – 18. (Cancelled)

19. (Currently Amended)   A ~~The~~ method ~~of claim 12~~ comprising:
     extracting a subset from product features to form a first set of features;
     extracting a small portion from said first set of features to form a template;
     transforming said template into a second set of features by
          rotating said template;
          scaling spaces between features in said template;

scaling linewidths of features in said template;

merging said first set and said second set of features to form a test structure, wherein similar test structures that are located near each other may be distinguished by modifying their second features.

20. (Currently Amended)   A ~~The~~ method ~~of claim 12~~ comprising:

extracting a subset from product features to form a first set of features;

extracting a small portion from said first set of features to form a template wherein said small portion may represent 3 to 15 percent of said first set of features;

transforming said template into a second set of features by

rotating said template;

scaling spaces between features in said template;

scaling linewidths of features in said template;

merging said first set and said second set of features to form a test structure.

21. (Cancelled)

22. (Currently Amended)   A ~~The~~ method ~~of claim 12~~ comprising:

extracting a subset from product features to form a first set of features;

extracting a small portion from said first set of features to form a template;

transforming said template into a second set of features by

rotating said template wherein said rotating of said template is typically in a range of 15 to 55 degrees;

scaling spaces between features in said template;

scaling linewidths of features in said template;

merging said first set and said second set of features to form a test structure.

23. .(Currently Amended)   A ~~The~~ method ~~of claim 12~~ comprising:

extracting a subset from product features to form a first set of features;

extracting a small portion from said first set of features to form a template;

transforming said template into a second set of features by

rotating said template;

scaling spaces between features in said template wherein said scaling of said spaces between said features in said template is typically in a range of – 0.85 to + 2.00;

scaling linewidths of features in said template;

merging said first set and said second set of features to form a test structure.

24. .(Currently Amended)   A ~~The~~ method ~~of claim 12~~ comprising:

extracting a subset from product features to form a first set of features;

extracting a small portion from said first set of features to form a template;

transforming said template into a second set of features by

rotating said template;

scaling spaces between features in said template;

scaling linewidths of features in said template wherein said scaling of said linewidths of said features in said template is typically in a range of + 0.25 to – 0.25;

merging said first set and said second set of features to form a test structure.

25. .(Currently Amended)   A ~~The~~ method ~~of claim 12~~ comprising:

  extracting a subset from product features to form a first set of features;

  extracting a small portion from said first set of features to form a template;

  transforming said template into a second set of features by

    rotating said template;

    scaling spaces between features in said template;

    scaling linewidths of features in said template;

  merging said first set and said second set of features to form a test

structure wherein a buffer zone is added before said merging of said first set and

said second set of features to form said test structure.

26.   (Previously Presented)   The method of claim 25 wherein said buffer zone

essentially represents a lateral displacement.

27.   (Currently Amended)   A ~~The~~ method ~~of claim 12~~ comprising:

  extracting a subset from product features to form a first set of features;

  extracting a small portion from said first set of features to form a template;

  transforming said template into a second set of features by

    rotating said template;

    scaling spaces between features in said template;

    scaling linewidths of features in said template;

  merging said first set and said second set of features to form a test

structure wherein an average change in pattern factor of said test structure after said

scaling of both said spaces and said linewidths should be kept in a range of – 0.15 to

+ 0.15.